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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.										
09/842,753	04/25/2001	Outi Aho	460-010296-US(PAR)	8264										
7590 Clarence A. Green Perman & Green, LLP 425 Post Road Fairfield, CT 06430		09/11/2007	<table border="1"><tr><td>EXAMINER</td></tr><tr><td>NAWAZ, ASAD M</td></tr></table> <table border="1"><tr><td>ART UNIT</td><td>PAPER NUMBER</td></tr><tr><td>2155</td><td></td></tr></table> <table border="1"><tr><td>MAIL DATE</td><td>DELIVERY MODE</td></tr><tr><td>09/11/2007</td><td>PAPER</td></tr></table>		EXAMINER	NAWAZ, ASAD M	ART UNIT	PAPER NUMBER	2155		MAIL DATE	DELIVERY MODE	09/11/2007	PAPER
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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/842,753	AHO ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Asad M. Nawaz	2155	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 19 June 2007.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-17 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

### **DETAILED ACTION**

1. This action is responsive to the amendment received 6/18/07. Claims 1, 9, and 17 were amended. No new claims were added. No claims have been canceled. Accordingly, claims 1-17 are pending.

#### ***Claim Rejections - 35 USC § 112***

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-17 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. More specifically, it is unclear if and how the information is transmitted. It is further unclear how the information is different from the messages. Also, it is unclear what is meant by the phrase "completely forming" as it could be understood to mean 1) entirely forming messages or 2) simply completing an existing message.

#### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

**4. Claims 1-3, 5-11, and 13-17 are rejected under 35 U.S.C. 102(b) as being anticipated by Gleeson et al, 5,627,829, (hereafter Gleeson).**

As per claim 1, Gleeson teaches a method for transmitting information between applications executed in a first and a second data transmission device in a data transmission system (col. 6, lines 40-42), the method comprising: using a data transmission protocol in the information transmission performing one or more protocol conversions in the protocol stack for information to be transmitted (col. 10, lines 2730, 40-46; protocols are converted into compatible formats that can be transmitted between application devices), said protocol stack comprising at least an application layer and a physical layer (200, 208, figure 2; protocol stack comprises plurality of layers such as application, physical, etc.); and transmitting messages between the first data transmission device and the second transmission device, the transmitting comprising completely forming messages by the application layer from the information to be transmitted (col. 6, lines 47-56; message data are generated in the application layer to be transmitted over the network).

Claims 9 and 17 are rejected by similar rationale as claim 1.

As per claims 2-3 and 10-11, Gleeson teaches transmitting at least two types of components in the messages, wherein the messages contain information on the type of the message transmitted in the message (1530, '1532, fig. 15; col. 16, lines 15-17; type and sequence number subfields are components of the data packet being transmitted between the devices); a header field, on the basis of which the type of the message is

Art Unit: 2155

determined (col. 15, line 65 - col. 16, line 2; data packet includes a header field that includes the type subfield that defines the type of the packet).

As per claims 5 and 13, Gleeson teaches providing messages with a data field to transmit information produced in the application (1408, fig. 14a, col. 15, line 35; data field is a component of the data packet).

As per claims 6 and 14, Gleeson teaches using the protocol stack at least a session layer between the application layer and the physical layer (600, 604, 614, fig. 6; session layer is between the application and physical layers in the protocol stack), in which the protocol used therein contains data frames, containing at least a header field and a data field (data packet contains header and data fields), wherein the method further comprises transferring messages produced in the application layer to the data field of the data frames of the session layer (col. 6, lines 47-56; col. 15, lines 26-36; message data is generated in the application layer; message data is transferred to the data field of the data packet to be transmitted to another device).

As per claims 7 and 15, Gleeson teaches using WAP system at least as the data transmission system (col. 10, lines 27-30; radio modem protocol 'RM' is functionally equivalent to wireless application protocol WAR).

As per claims 8 and 16, Gleeson teaches using the Internet data transmission network at least partly used as the data transmission system (col. 11, lines 27-29;

Art Unit: 2155

transmission control protocol/Internet protocol 'TCP/IP' allows data to be routed over the Internet).

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 4 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gleeson and in view of Bhagwat et al, 6,721,805 (hereafter Bhagwat).

As per claims 4 and 12, Gleeson does not explicitly teach dividing said header field at least into first and second different parts, wherein the first part is used in all messages and the second part is used, if necessary, in the transmission of the typespecific information of the message transmitted in the message.

Bhagwat teaches a header field contains plurality of subfields (col. 7, lines 49-57) and subfields can vary depending on the needs of the user (col. 8, lines 19-23). Hence, it would have been obvious to one of ordinary skilled in the art to modify and combine the teachings of Gleeson and Bhagwat to use the desired subfields when required depending on the type of data being transmitted in order to save bandwidth and increase the efficiency of data transmission over the networks.

### ***Response to Arguments***

7. Applicant argues in substance, Gleeson does not teach or disclose the messages being completely formed in the application layer. In response, the ambiguity of the independent claims as explained in the outstanding 35 USC 112 rejections render the claims broad and therefore they are interpreted as such. Clarification of claim language would allow for a precise examination of the claims at hand. Gleeson teaches that messages are constructed from information at the application layer. When the application layer packet is constructed, it contains information that is different from messages. Thus, Gleeson still meets the scope of the limitation as *currently* claimed.

### ***Conclusion***

8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

Art Unit: 2155

the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Asad M. Nawaz whose telephone number is (571) 272-3988. The examiner can normally be reached on M-F 8-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar can be reached on (571) 272-4006. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AMN

  
SALEH NAJJAR  
SUPERVISORY PATENT EXAMINER